

What is claimed is:

1. A device for heating food, comprising:
 - a. a support;
 - b. a first heating member coupled to said support;
 - c. a first tray coupled to said support and located below said first heating member; and,
 - d. a first compression grill located between said first tray and said first heating member.
2. A device for heating food according to claim 1, further comprising:
 - a. a second heating member coupled to said support;
 - b. a second tray coupled to said support, said second tray being located below said second heating member; and,
 - c. a second compression grill located between said second tray and said second heating member.
3. A device for heating food according to claim 2, wherein said second heating member is located below said first tray.
4. A device for heating food according to claim 3, wherein said second heating member provides radiant heat directed upward toward said first tray and downward toward said second tray.

5. A device for heating food according to claim 1, wherein said compression grill is constructed to permit radiant heat to pass there through while preventing food located on said first tray from expanding to contact said first heating member.
6. A device for heating food, comprising:
 - a) a support;
 - b) a first horizontally disposed heating member coupled to said support;
 - c) a second horizontally disposed heating member coupled to said support;
 - d) a first horizontally disposed tray coupled to said support, said first horizontally disposed tray being located between said first and said second horizontally disposed heating members; and,
 - e) a second horizontally disposed tray coupled to said support, said second horizontally disposed tray being located below said second horizontally disposed heating member to receive heat from said second horizontally disposed heating member.
7. A device according to claim 6 wherein said first horizontally disposed tray comprises a plurality of ports so that when food is located on said tray the food is heated by radiant heat from said first horizontally disposed heating member and from said second horizontally disposed heating member.

8. A device according to claim 6 wherein said second horizontally disposed heating member has a top side which emits radiant heat and a bottom side which emits radiant heat.
9. A device for heating food according to claim 6, wherein:
 - a. each horizontally disposed tray has a coupling member affixed to one edge thereof; and,
 - b. each coupling member is connected to said support to permit said trays to be rotated relative to said support.
10. A method for heating a tortilla using two heating members, the method comprising heating the top side of the tortilla and the bottom side of the tortilla simultaneously.
11. A method according to claim 10 comprising heating the top side of the tortilla with a first heating member while heating the bottom side of the tortilla with a second heating member.
12. A method according to claim 10 comprising heating the top side of the tortilla with heat radiation while heating the bottom side of the tortilla with heat radiation.
13. A method according to claim 10 comprising heating the top side of the tortilla with heat radiation from a heating member spaced apart from the tortilla while heating the

bottom side of the tortilla with heat radiation from a heating member spaced apart from the tortilla.

14. A method according to claim 10 comprising heating the top side of the tortilla by thermal conduction while heating the bottom side of the tortilla by thermal conduction.
15. A method according to claim 10 comprising heating the top side of the tortilla by thermal conduction from a heating member in contact with the tortilla while heating the bottom side of the tortilla by thermal conduction from a heating member in contact with the tortilla.
16. A control system for a system to heat tortillas, the control system comprising:
 - a. selection means for a user to select corn tortillas or flour tortillas; and,
 - b. heat control means to control the heat applied to the tortillas depending on whether the user selects corn tortillas or flour tortillas.
17. A control system according to claim 16 wherein said heat control means causes more heat to be applied to the tortillas when the user selects corn tortillas than when the user selects flour tortillas.
18. A control system according to claim 16 wherein said heat control means comprises means to control the rate at which heat is applied to the tortillas.

19. A control system according to claim 16 wherein said heat control means comprises timing means to control the duration of heating the tortillas, wherein the timing means causes the tortillas to be heated for a first predetermined time if the user selects corn tortillas and for a second predetermined time if the user selects flour tortillas.
20. A control system according to claim 19 wherein said first predetermined time is longer than said second predetermined time.
21. A control system according to claim 19 wherein said first predetermined time is about 50% to about 80% longer than said second predetermined time.
22. A control system according to claim 19 wherein said first predetermined time is about 65% longer than said second predetermined time.
23. A system according to claim 19 further comprising a timing adjustment control to permit a user to vary the duration of heating the tortillas from the predetermined times.
24. A device for heating food items, comprising:
- a. a support;
 - b. a plurality of heating plates coupled to said support;

- c. means to separate the heating plates to allow a user to place a food item on each plate; and,
 - d. means to compress the heating plates against the food items between them.
25. A device for heating food according to claim 24, comprising a jack screw to raise the plates and lower the plates.
26. A device for heating food according to claim 24, comprising linkage connecting the jack screw to the plates.